



GEORGIA

DEPARTMENT OF NATURAL RESOURCES

ENVIRONMENTAL PROTECTION DIVISION

Air Quality - Part 70 Operating Permit Amendment

Facility Name: Yamaha Motor Manufacturing Corporation of America

Facility Address: 1000 Highway 34 East
Newnan, Georgia 30265, Coweta County

Mailing Address: 1000 Highway 34 East
Newnan, Georgia 30265

Parent/Holding Company: Yamaha Motor Manufacturing Corporation of America

Facility AIRS Number: 04-13-077-00039

In accordance with the provisions of the Georgia Air Quality Act, O.C.G.A. Section 12-9-1, et seq and the Georgia Rules for Air Quality Control, Chapter 391-3-1, adopted pursuant to and in effect under the Act, the Permittee described above is issued a construction permit for:

Adding robotic-arm paint spray guns on Paint Booth DB01, venting more D-Line emissions to the RTO, and incorporating four approved OPC changes.

This Permit Amendment shall also serve as a final amendment to the Part 70 Permit unless objected to by the U.S. EPA or withdrawn by the Division. The Division will issue a letter when this Operating Permit amendment is finalized.

This Permit Amendment is conditioned upon compliance with all provisions of The Georgia Air Quality Act, O.C.G.A. Section 12-9-1, et seq, the Rules, Chapter 391-3-1, adopted and in effect under that Act, or any other condition of this Amendment and Permit No. **3799-077-0039-V-06-0**. Unless modified or revoked, this Amendment expires upon issuance of the next Part 70 Permit for this source. This Amendment may be subject to revocation, suspension, modification or amendment by the Director for cause including evidence of noncompliance with any of the above; or for any misrepresentation made in App Nos. **TV-704056 and 28632** dated **November 18, 2022**; any other applications upon which this Amendment or Permit No. **3799-077-0039-V-06-0**. are based; supporting data entered therein or attached thereto; or any subsequent submittal or supporting data; or for any alterations affecting the emissions from this source.

This Amendment is further subject to and conditioned upon the terms, conditions, limitations, standards, or schedules contained in or specified on the attached **8** pages.



Richard E. Dunn, Director
Environmental Protection Division

Table of Contents

PART 1.0	FACILITY DESCRIPTION	1
1.3	Process Description of Modification.....	1
PART 3.0	REQUIREMENTS FOR EMISSION UNITS	2
3.1	Updated Emission Units.....	2
3.2	Equipment Emission Caps and Operating Limits	4
PART 4.0	REQUIREMENTS FOR TESTING.....	5
4.2	Specific Testing Requirements.....	5
PART 5.0	REQUIREMENTS FOR MONITORING (Related to Data Collection)	6
5.2	Specific Monitoring Requirements	6
PART 6.0	OTHER RECORD KEEPING AND REPORTING REQUIREMENTS	7
6.2	Specific Record Keeping and Reporting Requirements.....	7
Attachments.....		8
	B. Insignificant Activities Checklist, Insignificant Activities Based on Emission Levels and Generic Emission Groups	

PART 1.0 FACILITY DESCRIPTION

1.3 Process Description of Modification

Yamaha Motor Manufacturing Corporation of America (hereinafter ‘facility’) proposes to install additional robotic-arm paint spray guns to Paint Booth DB01 and vent exhaust from permitted emission units DB01, DTM1, DTM2, DF01, and DO02 to permitted thermal oxidizer RTO1. No changes to permitted emission limits are requested. Proposed changes to the Title V air operating permit are included in a red-lined document provided as Attachment B to the hard copy version of the application.

In addition, incorporate off-permit change notification projects not previously incorporated into the Title V permit.

Title V Permit Amendment

Yamaha Motor Manufacturing Corporation of America

Permit No.: 3799-077-0039-V-06-1

PART 3.0 REQUIREMENTS FOR EMISSION UNITS

Note: Except where an applicable requirement specifically states otherwise, the averaging times of any of the Emissions Limitations or Standards included in this permit are tied to or based on the run time(s) specified for the applicable reference test method(s) or procedures required for demonstrating compliance.

3.1 Updated Emission Units

Emission Units		Applicable Requirements/Standards	Air Pollution Control Devices	
ID No.	Description		ID No.	Description
AGW1	Golf Cart/ATV and Water Vehicle Assembly Lines	391-3-1-.02(2)(b) 391-3-1-.02(2)(e) 391-3-1-.02(2)(tt)	N/A	None
AM07	Water Vehicle Assembly Bonding Oven	391-3-1-.02(2)(b) 391-3-1-.02(2)(e) 391-3-1-.02(2)(g)	N/A	None
BL01	8.4 mm BTU/Hr. Steam Boiler No. 1 Burn natural gas and/or propane only	391-3-1-.02(2)(d) 391-3-1-.02(2)(g)	N/A	None
BL02	8.4 mm BTU/Hr. Steam Boiler No. 2 Burn natural gas and/or propane only	391-3-1-.02(2)(d) 391-3-1-.02(2)(g)	N/A	None
BL03	8.4 mm BTU/Hr. Steam Boiler No. 3 Burn natural gas and/or propane only	391-3-1-.02(2)(d) 391-3-1-.02(2)(g)	N/A	None
BL04	8.2 mm BTU/Hr. Steam Boiler No. 4	391-3-1-.02(2)(d) 391-3-1-.02(2)(g)	N/A	None
DB01	D-Line Paint Booth No. 1	391-3-1-.02(2)(b) 391-3-1-.02(2)(e) 391-3-1-.02(2)(tt)	WC05/ RTO1	Water Curtain / Regenerative Thermal Oxidizer
DB02	D-Line Paint Booth No. 2	391-3-1-.02(2)(b) 391-3-1-.02(2)(e) 391-3-1-.02(2)(tt)	WC17/ RTO1	Water Curtain / Regenerative Thermal Oxidizer
DRB1	D-Line Rework Paint Booth	391-3-1-.02(2)(b) 391-3-1-.02(2)(e) 391-3-1-.02(2)(tt)	N/A	Dry filters
DF01	D-Line Flash Tunnel	391-3-1-.02(2)(b) 391-3-1-.02(2)(e) 391-3-1-.02(2)(tt)	RTO1	Regenerative Thermal Oxidizer
DF02	D-Line Flash-Off Tunnel No. 2	391-3-1-.02(2)(b) 391-3-1-.02(2)(e) 391-3-1-.02(2)(tt)	RTO1	Regenerative Thermal Oxidizer
DTM1	D-Line Tack/Mask Booth No. 1	391-3-1-.02(2)(b) 391-3-1-.02(2)(e)	RTO1	Regenerative Thermal Oxidizer
DTM2	D-Line Tack/Mask Booth No. 2	391-3-1-.02(2)(b) 391-3-1-.02(2)(e)	RTO1	Regenerative Thermal Oxidizer
EB01	E-Line E-Coat Bath	391-3-1-.02(2)(b) 391-3-1-.02(2)(e) 391-3-1-.02(2)(ii)	N/A	None
DO02	D-Line Cure Oven	391-3-1-.02(2)(b) 391-3-1-.02(2)(e) 391-3-1-.02(2)(g)	RTO1	Regenerative Thermal Oxidizer
EO01	E-Line E-Coat Oven	391-3-1-.02(2)(b) 391-3-1-.02(2)(e) 391-3-1-.02(2)(g)	N/A	None
FO01	F-Line Powder Coat Oven	391-3-1-.02(2)(b) 391-3-1-.02(2)(e) 391-3-1-.02(2)(g)	N/A	None
PA02	A-Line E-Coat Bath	391-3-1-.02(2)(b) 391-3-1-.02(2)(e) 391-3-1-.02(2)(ii)	N/A	None

Title V Permit Amendment

Yamaha Motor Manufacturing Corporation of America

Permit No.: 3799-077-0039-V-06-1

Emission Units		Applicable Requirements/Standards	Air Pollution Control Devices	
ID No.	Description		ID No.	Description
PA03	A-Line E-Coat Oven	391-3-1-.02(2)(b) 391-3-1-.02(2)(e) 391-3-1-.02(2)(g)	N/A	None
PA07	B-Line Powder Coat Oven	391-3-1-.02(2)(b) 391-3-1-.02(2)(e) 391-3-1-.02(2)(g)	N/A	None
GTM1	G-Line Tack / Mask Booth No. 1	391-3-1-.02(2)(b) 391-3-1-.02(2)(e)	N/A	None
GB01	G-Line Paint Spray Booth No. 1	391-3-1-.02(2)(b) 391-3-1-.02(2)(e) 391-3-1-.02(2)(ii) 391-3-1-.02(2)(tt)	WC 18/ RTO2	Water Curtain / Regenerative Thermal Oxidizer
GB02	G-Line Paint Spray Booth No. 2	391-3-1-.02(2)(b) 391-3-1-.02(2)(e) 391-3-1-.02(2)(ii) 391-3-1-.02(2)(tt)	WC 19/ RTO2	Water Curtain / Regenerative Thermal Oxidizer
GB03	G-Line Paint Spray Booth No. 3	391-3-1-.02(2)(b) 391-3-1-.02(2)(e) 391-3-1-.02(2)(ii) 391-3-1-.02(2)(tt)	WC 20/ RTO2	Water Curtain / Regenerative Thermal Oxidizer
GF01	G-Line Flash-Off Tunnel No. 1	391-3-1-.02(2)(b) 391-3-1-.02(2)(e) 391-3-1-.02(2)(tt)	RTO2	Regenerative Thermal Oxidizer
GF02	G-Line Flash-Off Tunnel No. 2	391-3-1-.02(2)(b) 391-3-1-.02(2)(e) 391-3-1-.02(2)(tt)	RTO2	Regenerative Thermal Oxidizer
GF03	G-Line Flash-Off Tunnel No. 3	391-3-1-.02(2)(b) 391-3-1-.02(2)(e) 391-3-1-.02(2)(tt)	RTO2	Regenerative Thermal Oxidizer
GO01	G-Line Cure Oven	391-3-1-.02(2)(b) 391-3-1-.02(2)(e) 391-3-1-.02(2)(g)	RTO2	Regenerative Thermal Oxidizer
PS01	Paint Shop Miscellaneous VOC Usages	391-3-1-.02(2)(tt)	N/A	None
SM01	SMC Sheet Molding Compound Press	391-3-1-.02(2)(b) 391-3-1-.02(2)(e)	N/A	None
SM02	SMC Sheet Molding Compound Press	391-3-1-.02(2)(b) 391-3-1-.02(2)(e)	N/A	None
SC01	Cold Solvent Metal Parts Cleaner/Washer No. 1	391-3-1-.02(2)(ff)	N/A	None
SC02	Cold Solvent Metal Parts Cleaner/Washer No. 2	391-3-1-.02(2)(ff)	N/A	None
SC03	Cold Solvent Metal Parts Cleaner/Washer No. 3	391-3-1-.02(2)(ff)	N/A	None
SC04	Cold Solvent Metal Parts Cleaner/Washer No. 4	391-3-1-.02(2)(ff)	N/A	None
SP01	Plant 2 Surface Preparation	391-3-1-.02(2)(b) 391-3-1-.02(2)(e)	N/A	None
WVR1	Water Vehicle Assembly Rework Booth	391-3-1-.02(2)(b) 391-3-1-.02(2)(e) 391-3-1-.02(2)(tt)	N/A	Dry filters
TVR1	Terrain Vehicle Assembly Rework Booth	391-3-1-.02(2)(b) 391-3-1-.02(2)(e) 391-3-1-.02(2)(tt)	N/A	Dry filters
ABR1	A/B Line Paint Rework Booth	391-3-1-.02(2)(b) 391-3-1-.02(2)(e) 391-3-1-.02(2)(tt)	N/A	Dry filters
SM03	SMC Sheet Molding Compound Press	391-3-1-.02(2)(b) 391-3-1-.02(2)(e)	N/A	None

* Generally applicable requirements contained in this permit may also apply to emission units listed above. The lists of applicable requirements/standards are intended as a compliance tool and may not be definitive.

** Modified or new emission units are in bold

3.2 Equipment Emission Caps and Operating Limits

Modified Condition:

- 3.2.4 The Permittee shall, during all periods of the operation of paint spray booths DB01 and DB02 (Emission Unit ID Nos. DB01 and DB02), D-Line Flash-Off Tunnels (Emission Unit ID Nos. DF01 and DF02), D-Line Cure Oven (Emission Unit ID No. DO02), and D-Line Tack/Mask Booths (Emission Unit ID Nos. DTM1 and DTM2), operate the regenerative thermal oxidizer (Air Pollution Control Device ID No. RTO1) such that the combustion chamber temperature is equal to or greater than the temperature established during the most recent Division approved performance test.
[391-3-1-.03(2)(c), 391-3-1-.02(2)(tt) - RACT, 391-3-1-.03(8)(c)13 & NAA NSR Avoidance]

PART 4.0 REQUIREMENTS FOR TESTING**4.2 Specific Testing Requirements**Modified Condition:

- 4.2.1 The Permittee shall conduct a VOC destruction efficiency performance test for the regenerative thermal oxidizer RTO2 at least once every five calendar years. Testing shall be conducted in accordance with methods and procedures previously approved by the Division. The Permittee shall provide performance test reports which comply with criteria approved by the Division. All required continuous monitoring systems shall be installed, calibrated and operating when the tests are conducted. Records of the oxidizer temperatures during each test, as monitored and recorded per Conditions 5.2.1b., shall be submitted along with the test results. The results of the performance test(s) shall be submitted to the Division within sixty (60) days of the completion of testing.
[391-3-1-.02(6)(b)1]

Added Conditions:

- 4.2.2 Within 180 days of first venting D-Line paint spray booth DB01 (Emission Unit ID No. DB01), D-Line Flash-Off Tunnel (Emission Unit ID No. DF01), D-Line Cure Oven (Emission Unit ID No. DO02), and D-Line Tack/Mask Booths (Emission Unit ID Nos. DTM1 and DTM2) to the regenerative thermal oxidizer RTO1, the Permittee shall conduct a VOC destruction efficiency (DRE) test on the regenerative thermal oxidizer RTO1 while the associated emission units are operating. All required continuous monitoring system(s) shall be installed, calibrated, and operating when tests are conducted. The results of the performance test(s) shall be submitted to the Division within sixty (60) days of the completion of testing. Should production rates increase above the rates at which the acceptable performance tests were made, the Division may require that the regenerative thermal oxidizer RTO1 be tested at a higher production rate. During the tests, the Permittee shall establish the minimum combustion zone temperature using the continuous monitoring device required in Condition 5.2.1a. Subsequent tests shall be conducted at approximately five-year intervals not to exceed sixty-one months between tests.
[391-3-1-.02(3)]
- 4.2.3 Within 180 days of first venting D-Line paint spray booth DB01 (Emission Unit ID No. DB01), D-Line Flash-Off Tunnel (Emission Unit ID No. DF01), D-Line Cure Oven (Emission Unit ID No. DO02), and D-Line Tack/Mask Booths (Emission Unit ID Nos. DTM1 and DTM2) to Regenerative Thermal Oxidizer RTO1, the Permittee shall verify that the enclosure for each emission unit meets the Division's criteria for permanent total enclosures (PTE) by using test method 204 or conduct a capture efficiency test on the capture system housing the emission unit that cannot be a PTE. During the test, the Permittee shall establish the corresponding operating parameter(s) of the ventilation/capture system. All test results shall be submitted to the Division within sixty (60) days of the completion of testing.
[391-3-1-.02(3) and 391-3-1-.03(2)(c)]

PART 5.0 REQUIREMENTS FOR MONITORING (Related to Data Collection)**5.2 Specific Monitoring Requirements**Modified Condition:

5.2.2 The Permittee shall install, calibrate, maintain, and operate monitoring devices for the measurement of the indicated parameters on the following equipment. Data shall be recorded at the frequency specified below. Where such performance specification(s) exist, each system shall meet the applicable performance specification(s) of the Division's monitoring requirements.

[391-3-1-.02(6)(b)1 and 40 CFR 70.6(a)(3)(i)]

- a. The duct pressure from the D-Line paint spray booths (Emission Unit ID Nos. DB01 and DB02), D-Line flash-off tunnels (Emission Unit ID Nos. DF01 and DF02), D-Line cure oven (Emission Unit ID No. DO02), and D-Line tack/mask booths (Emission Unit ID Nos. DTM1 and DTM2) combined vent to regenerative thermal oxidizer RTO1, once per shift of operation. The pressure monitoring device(s)/system(s) shall meet the applicable performance specifications of the Division's monitoring requirements.
- b. The duct pressure from the G-Line paint spray booths (Emission Unit ID Nos. GB01, GB02 and GB03), the G-Line flash-off tunnels (Emission Unit ID Nos. GF01, GF02 and GF03) and the G-Line Cure Oven (Emission Unit ID No. GO01) combined vent to the regenerative thermal oxidizer, RTO2, once per shift of operation. The pressure monitoring device(s)/system(s) shall meet the applicable performance specifications of the Division's monitoring requirements.

PART 6.0 OTHER RECORD KEEPING AND REPORTING REQUIREMENTS

6.2 Specific Record Keeping and Reporting Requirements

Added Condition:

- 6.2.14 The Permittee shall submit written notification to the Division of the actual date when D-Line paint spray booth DB01 (Emission Unit ID No. DB01), D-Line Flash-Off Tunnel (Emission Unit ID No. DF01), D-Line Cure Oven (Emission Unit ID No. DO02), and D-Line Tack/Mask Booths (Emission Unit ID Nos. DTM1 and DTM2) start venting to regenerative thermal oxidizer RTO1. This notification shall be postmarked within 15 days of the initial startup date.
[391-3-1.03(2)(c)]

Title V Permit Amendment

Yamaha Motor Manufacturing Corporation of America

Permit No.: 3799-077-0039-V-06-1

Attachments

B. Insignificant Activities Checklist, Insignificant Activities Based on Emission Levels and Generic Emission Groups

Title V Permit Amendment

Yamaha Motor Manufacturing Corporation of America

Permit No.: 3799-077-0039-V-06-1

ATTACHMENT B

INSIGNIFICANT ACTIVITIES BASED ON EMISSION LEVELS

Description of Emission Units / Activities	Quantity
Aerosol Can Puncturing Device	4
Proprietary Polyurethane Foaming Process for Water Vehicles	1
Bonding Operations for Water Vehicles	2
Solvent Recovery Unit	1
Wastewater evaporator at GAM	1
Wastewater evaporators at YMMC	2

*Modified or new emission units are in bold